CUNO-392

Low Fluorescence Nylon/Glass Composites
for Micro-Analytical Diagnostic Applications

ABSTRACT OF THE DISCLOSURE

An improved combination non-luminescent microporous membrane and solid support for use in micro-analytical diagnostic applications

5   is disclosed. Specifically, a multi-cell non-luminescent substrate having a porous membrane formed by a phase inversion process effectively attached by covalent bonding through a surface treatment to a substrate that prepares the substrate to sufficiently, covalently bond to the non-luminescent microporous membrane formed by a phase inversion process such that the combination

10   produced thereby is useful in microarray applications and wherein the porous non-luminescent nylon multi-cell substrate is covalently bonded to a solid base member, such as, for example, a glass or Mylar microscope slide, such that the combination produced thereby is useful in microarray applications. Apparatus and methods for fabricating the non-luminescent multi-cell substrate are also

15   disclosed.

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